

Title (en)
VAPORIZING BURNER AND METHOD OF OPERATING A VAPORIZING BURNER

Publication
EP 0337408 A3 19900530 (DE)

Application
EP 89106437 A 19890411

Priority
DE 3812299 A 19880413

Abstract (en)
[origin: EP0337408A2] In a vaporising burner for fixed heating systems for motor vehicles, there previously arose, after switching off the fuel supply and the subsequent blowing off of the flame, disturbing blue smoke, as residual fuel was only heated but not burned. According to the invention, after switching off the fuel supply, the heater plug is switched on for a given time during the after-running phase of the combustion air blower. As a result, practically all residual fuel is vaporised and burned and consequently formation of blue smoke as well as formation of lasting combustion residues in the region of the spark plug connection piece and/or the burner are avoided. <IMAGE>

IPC 1-7
F23D 11/44; **F23D 11/42**; **F23Q 7/08**; **F23D 3/40**

IPC 8 full level
F23D 11/44 (2006.01); **F23N 5/24** (2006.01); **F23N 1/06** (2006.01); **F23N 5/00** (2006.01)

CPC (source: EP US)
F23D 11/448 (2013.01 - EP US); **F23N 5/24** (2013.01 - EP US); **F23N 1/06** (2013.01 - EP US); **F23N 5/003** (2013.01 - EP US); **F23N 2231/18** (2020.01 - EP US); **F23N 2233/02** (2020.01 - EP US)

Citation (search report)
• [Y] CH 182198 A 19360131 - SURBER HANS [CH]
• [Y] DE 2129663 A1 19711230 - BAHCO VENTILATION AB
• [A] DE 1918445 A1 19701029 - BAHCO AB
• [A] FR 2560355 A1 19850830 - WEBASTO WERK BAIER KG W [DE]
• [A] US 2966942 A 19610103 - BREESE JAMES L, et al
• [A] DE 3134818 A1 19830310 - MUELLER WILHELM H & CO KG [DE]
• [A] GB 2130707 A 19840606 - DANFOSS AS

Cited by
EP1500878A3; CN105509044A; RU2725590C1; US11148504B2; US11161391B2; WO2018095990A1

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
EP 0337408 A2 19891018; **EP 0337408 A3 19900530**; CA 1315187 C 19930330; DE 3812299 A1 19891026; DE 8816636 U1 19900208; US 4931011 A 19900605

DOCDB simple family (application)
EP 89106437 A 19890411; CA 596484 A 19890412; DE 3812299 A 19880413; DE 8816636 U 19880413; US 32195989 A 19890310